

## INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

ATTY DOCKET NO.  
2004\_0216SERIAL NO.  
10/780,550U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)APPLICANT  
Mitsuaki OSHIMAFILING DATE  
February 18, 2004GROUP  
2616

Date Submitted to PTO: May 10, 2005

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Re	AA	3,824,548	7-16-74	Sullivan et al.			
Re	AB	3,959,726	5-25-76	Hinoshita et al.			
Re	AC	4,303,939	12-1-81	Stephens et al.			
Re	AD	4,303,941	12-1-81	Marti et al.			
Re	AE	4,309,726	1-5-82	Tanaka et al.			
Re	AF	4,535,352	8-85	Haskell			
Re	AG	4,564,858	1-14-86	Resch			
Re	AH	4,581,639	4-8-86	Judge			
Re	AI	4,769,819	9-6-88	Matsutani et al.			
Re	AJ	4,794,447	12-27-88	Tsinberg			
Re	AK	4,800,426	1-24-89	Glenn			
Re	AL	4,817,192	3-28-89	Phillips et al.			
Re	AM	5,007,088	4-9-91	Ooi et al.			
Re	AN	5,029,003	7-91	Jonnalagadda			
Re	AO	5,134,464	7-28-92	Basile et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
Re	AP	5-327807	12-10-93	Japan			abstract	

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

Re	AQ	Masafumi SAITO et al., "Bit Error Rate Characteristics of OFDM in Multipath Environment", 1991						
Re	AR	Ryutaro OHMOTO et al., " $\pi/4$ -shift QPSK Subcarrier Transmission", 1991						

EXAMINER

Robert Chahin

DATE CONSIDERED

9/13/05

## INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: May 10, 2005

ATTY DOCKET NO.  
2004\_0216SERIAL NO.  
10/780,550APPLICANT  
Mitsuaki OSHIMAFILING DATE  
February 18, 2004GROUP  
2616

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Re	AA	5,181,112	1-19-93	Citta et al.			
Re	AB	5,214,656	5-25-93	Chung et al.			
Re	AC	5,400,084	3-21-95	Scarpa			
Re	AD	5,576,902	11-19-96	Lane et al.			
Re	AE	5,218,622	6-8-93	Fazel et al.			
Re	AF	5,561,468	10-1-96	Bryan et al.			
Re	AG	5,598,220	1-97	Citta et al.			
	AH						
	AI						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
Re	AJ	7-264148	10-13-95	Japan			abstract
Re	AK	7-322219	12-8-95	Japan			abstract
Re	AL	3-48587	3-1-91	Japan			abstract
	AM						
	AN						

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

Re	AO	J. A. C. Bingham, "Multicarrier Modulation for Data Transmission: An Idea Whose Time Has Come", IEEE Communications Magazine, Vol. 28, May 1990, pages 5-8 and 11-14
Re	AP	B. Hirosaki, "An Orthogonally Multiplexed QAM System Using the Discrete Fourier Transform", IEEE Transactions on Communications, Vol. Com-29, No. 7, July 1981, pages 982-989
Re	AQ	L. J. Cimini, Jr., "Analysis and Simulation of a Digital Mobile Channel Using Orthogonal Frequency Division Multiplexing", IEEE Transactions on Communications, Vol. Com-33, No. 7, July 1985, pages 665-675 and Annex

EXAMINER

Robert Chao

DATE CONSIDERED

9/13/05